





STEEL POST DETAILS

- ① 150 mm IF LOCATED WITHIN 1200 mm OF CONCRETE MEDIAN.
- ② DOUBLE GALVANIZED 10 mm STEEL GUY WIRE - 7 STRAND HIGH STRENGTH GRADE.
- ③ 10 mm" AUTOMATIC JAW TYPE CABLE FITTING WITH SHORT BAIL. 6300 kg MINIMUM HOLDING STRENGTH.
- ④ 19 mm x 2.4 m MIN. COPPER GROUND ROD. ONE POLE SHALL BE GROUNDED BY CONNECTING 16 mm" RARE COPPER WIRE FROM GROUNDING LUG INSIDE POLE TO GROUND ROD BY MEANS OF A GALVANIZED WIRE CLAMP LOCATED INSIDE OF POLE. GROUND LUG SHALL BE ORIENTED 90° OR 180° TO HANDHOLE. IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45° FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 750 mm DEEP. CONNECTIONS TO GROUND ROD SHALL BE CADWELDED.
- ⑤ GALVANIZED 6 mm STEEL CLEVIS CLAMP TO FASTEN TO THE POLE WITH 16 mm GALVANIZED CARRIAGE BOLTS.
- ⑥ RAKE AS NECESSARY. 255 mm MAXIMUM.
- ⑦ NON-CORROSIVE METAL CABLE HANGERS AT 300 mm CENTERS.
- ⑧ MULTI-CONDUCTOR CABLE. (AS REQUIRED)
- ⑨ 6 mm AUTOMATIC JAW TYPE CABLE FITTING WITH SHORT BAIL. 2700 kg MINIMUM HOLDING STRENGTH.
- ⑩ 100 mm x 165 mm HANDHOLE & COVER WITH REINFORCED FRAME WELDED TO POLE.
- ⑪ ONE-PIECE OR TWO-PIECE METAL BASE COVER OR INDIVIDUAL NUT COVERS.
- ⑫ FULLY GALVANIZED ANCHOR BOLT.
- ⑬ WIRE ENTRANCE WITH INSULATED WEATHERPROOF BUSHING. (AS REQUIRED)
- ⑭ DOUBLE GALVANIZED 6 mm STEEL - 7 STRAND HIGH STRENGTH GRADE TETHER WIRE & CLAMP WITH QUICK RELEASE PROVISIONS. INSTALL HORIZONTAL OR BELOW HORIZONTAL.
- ⑮ TYPE A-10 BASE. SEE DRAWING M902.30 FOR DETAILS.
- ⑯ LUMINAIRE AND BRACKET ARE AS SPECIFIED ON PLANS. SEE DRAWING M901.00 FOR MOUNTING DETAILS.

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

WHEN WELD IS DETAILED AND MANUFACTURED AS SHOWN IN DETAIL A, SPANS WITHOUT GUY WIRES SHALL BE:
 33 m FOR SINGLE SPAN, 4 SIGNAL HEADS
 21 m FOR TWO SPANS SUPPORTED FROM ONE POLE, 3 SIGNAL HEADS.

CONCRETE POLE EMBEDMENT SHALL BE CLASS B CONCRETE.

SEE SHEET 1 FOR DOWN GUY INFORMATION WHEN DOWN GUY IS SPECIFIED ON PLANS.

EXPANSIVE GROUT SHALL BE USED BETWEEN THE POLE BASE PLATE AND THE CONCRETE BASE WHEN INDIVIDUAL NUT COVERS ARE USED.

| MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION | | | |
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| TRAFFIC SIGNALS RIGID SPAN WIRE DETAILS | | | |
| DATE: _____ | EFFECTIVE: 07-01-2004 | M902.70L | 2/2 |